

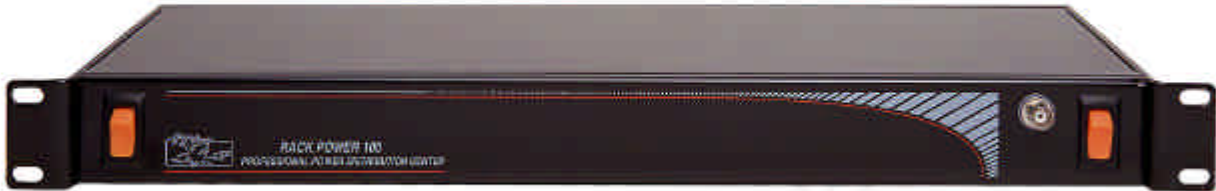
RP100-RX

TRANSFORMER BASED AC POWER FILTER



POWER_X

JUICEGOOSE™



**Rack mount
Fifteen Amp Capacity
Eleven AC Receptacles
BNC Connector for Flexible Work Light**

INCREASE EQUIPMENT RELIABILITY AND PERFORMANCE

**Patented TRANSFORMER BASED FILTER™ Protects Against AC Power Surges
and High Frequency Interference**

HIGH-END PERFORMANCE

Hazardous surges and high frequency interference can occur on either normal (line to neutral) or common (neutral to ground) mode circuits. The RP100-RX uses a new, patented Transformer Based Filter™ technology that provides a high level of protection against AC line problems without contaminating the safety ground line.

COMMON PROBLEMS

Digital, electronic equipment is sensitive to even low voltage spikes and AC frequency interference between neutral and ground wires (common mode noise). These events can create logic confusion that disrupts the function of digital processors. A significant percentage of malfunctions of sensitive equipment is due purely to common mode AC power interference. Surge suppressors and normal mode filters don't completely address this problem.

Common-mode noise poses a greater threat compared to normal-mode noise because of the different

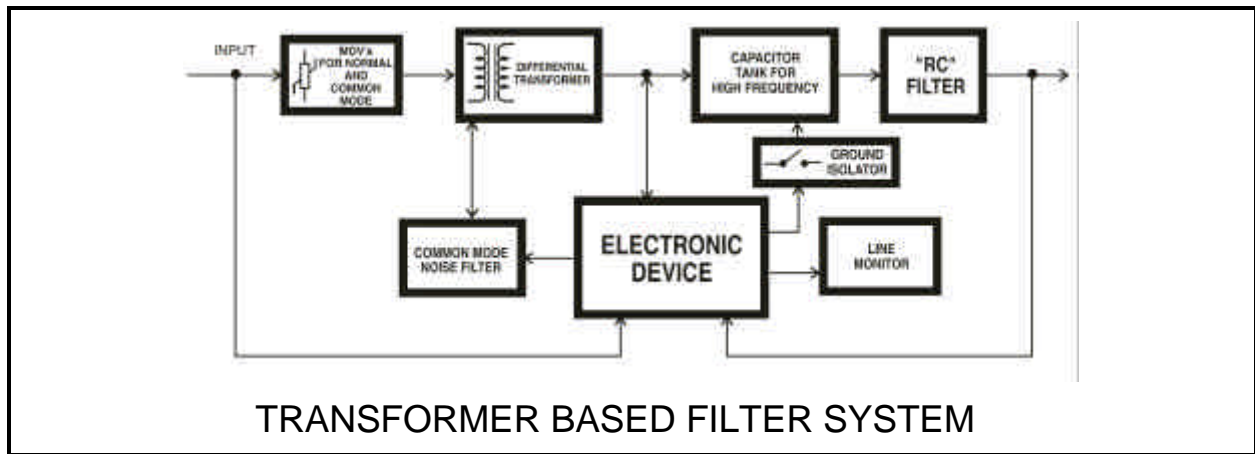
path taken to dissipate the noise energy. Potentially damaging common-mode noise can be much less in magnitude than a normal-mode impulse, but much more destructive

DANGEROUS AC SURGES

High energy events can originate from local industrial power use, electric utility company faults and from lightning. These powerful surges may be enough to destroy electronic equipment. With performance comparable to an isolation transformer, the RP100-RX reduces even a 3000 volt surge to less than a volt on common mode and less than 10 volts let through on normal mode.

UNCOMMON SOLUTION

The patented Juice Goose RX Series Transformer Based Filter is like no other power protection design. This advanced circuitry reduces system malfunction and damage, while maintaining a clean ground. Compare features, performance and cost. The advantage is clear, the Juice Goose RX Series.



RX Series products use a new, patented Transformer Based Filter™ technology to clean up both normal mode and common node noise without contaminating the ground. Normal Mode noise occurs between the line and neutral leads of an electric power circuit. Common Mode occurs between either the line or neutral and the safety ground lead.

UL 1449, limits the amount of current that can pass between line and safety ground to 0.5 milli amperes. This is called “leakage current”. The Transformer Based Filter process control board, by using a differential transformer and capacitors, acts as a low pass, “line conditioning” filter which performs in the same way as a series mode inductor. These components, along with a capacitor between neutral and ground comprise the foundation of the Transformer Based Filter design which conditions incoming AC power, removing normal and common mode noise

RP100-RX PERFORMANCE AND SPECIFICATIONS	
DIMENSIONS (INCHES)	19 x 7 x 1.72
WEIGHT (LBS)	10
CURRENT RATING (AMPS)	15
CASING STYLE	STEEL (Tour Class™)
AC OUTLETS	11
POWER CORD	6 Foot, 14/3 SJT
TRANSIENT ENERGY ABSORPTION (JOULES)	1020
MAXIMUM APPLIED SURGE CURRENT (AMPS)	3000
MAXIMUM APPLIED SURGE PULSE VOLTAGE	6000
LET THROUGH SLEW RATE (VOLTS)	
L-N	10
N-G	0.5
COMMON MODE (N - G) LINE NOISE REDUCTION	MINIMUM (dB)
100kHz	30
300kHz	77
1 MHz	80
10MHz	80
30MHz	80
NORMAL MODE (L-N) LINE NOISE REDUCTION	MINIMUM (dB)
100kHz	21
300kHz	56
1 MHz	60
10MHz	60
30MHz	60